

Injectables that Lower Glucose



Class/Main Action	Name	Dose Range	Considerations
GLP-1 Agonist “Incretin Mimetic” <ul style="list-style-type: none"> Increases insulin release with food Slows gastric emptying Promotes satiety Suppresses glucagon Lowers A1c 0.5 – 1.6% Wt loss of ~ 3lbs	exenatide (Byetta)	5 or 10 mcg BID (renally excreted)	Side effects for all: Nausea, vomiting, weight loss, injection site reaction. Report signs of acute pancreatitis (severe abdominal pain, vomiting), stop med. Black box: Thyroid C-cell tumor warning for liraglutide, exenatide XR, albiglutide, and dulaglutide (avoid if family history of medullary thyroid cancer, nodity MD of hoarseness, throat lump).
	exenatide XR (Bydureon)	2mg 1x a week (renally excreted)	
	liraglutide (Victoza)	0.6- 1.8 mg daily	
	lixisenatide (Adlyxin)	10 mg daily for 2 weeks. Then increase to 20 mg daily.	
	albiglutide (Tanzum)	30 and 50 mg 1x a week pen injector	
	dulaglutide (Trulicity)	0.75 and 1.5 mg 1x a week pen injector	
Amylin Mimetic <ul style="list-style-type: none"> Slows gastric emptying Suppresses glucagon Promotes satiety Lowers A1c 0.5 – 1%	pramlintide (Symlin)	Type 1: 15- 60 mcg; Type 2: 60- 120 mcg immediately before major meals	For Type 1 or 2 on insulin. Black box warning: severe hypoglycemic risk 3 hrs post injection. Prevent hypoglycemia, decrease insulin dose when starting pramlintide. Side effects: nausea, weight loss.

The information listed here are general guidelines only; please consult prescribing information for details.